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Defense Ammunition Packaging Council Project J5

Security Seals for Ammunition Containers

AFMC-LSO/LGTP  
AIR FORCE PACKAGING EVALUATION ACTIVITY  
5215 THURLOW STREET  
WRIGHT PATTERSON AFB, OH 45433-1540  
October 1994

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PROJECT: 93-P-102

TITLE: DAPC J5 -- Security Seals for Ammunition Containers

## **ABSTRACT**

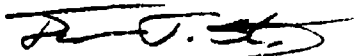
The project that this paper covers is DAPC Project J5, Security Seals for Ammunition Containers. This is a joint-service project managed by the Air Force Packaging Evaluation Activity, Wright-Patterson AFB, OH and coordinated with the US Army, Packaging Division, Picatinny Arsenal, NJ, the Packaging Handling, Storage and Transportation Center at Naval Weapons Station Earle, Colts Neck, NJ, and the US Marine Corps, Naval Surface Warfare Center, at Crane, IN.

This project originated with a requirement from the Air Force Special Operations Command, HQ AFSOC/LGMW, for a security seal that will not create a Foreign Object Damage, FOD, on the flight line.

This project is being combined with the DoD Locks, Safes, Vaults Seals and Containers Program to define what are the users requirements, what seals are available, how the seals should be tested, test the currently available seals, and determine which security seal should be used on which application.

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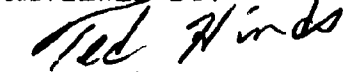
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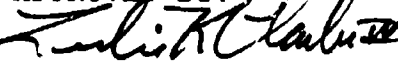
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## **INTRODUCTION:**

### **BACKGROUND:**

The Office of the Secretary of Defense (OSD) established the Defense Ammunition Packaging Council (DAPC) to investigate ammunition packaging requirements and perform some basic research and development in an effort to solve some of the problems identified for ammunition. PM-AMMOLOG, Picatinny Arsenal NJ is handling the overall program management for OSD. All LoD services are participating.

Many projects are a part of the DAPC effort. This project will cover DAPC Project J5, "Security Seals for Ammunition Containers." This is a joint-service project managed by the Air Force Packaging Evaluation Activity, Wright-Patterson AFB, OH, with participation from the US Army, Packaging Division, Picatinny Arsenal, NJ, the Packaging, Handling, Storage and Transportability Center at Naval Weapons Station Earle, Colts Neck, NJ, and the US Marine Corps, Naval Surface Warfare Center, Crane, IN.

This project originated with a requirement from the Air Force Special Operations Command, HQ AFSOC/LGMW, for a security seal that will not create a Foreign Object Damage, FOD, on the flight line.

### **FY 94 ACCOMPLISHMENTS:**

We started this project by re-establishing its need. We went back to HQ AFSOC/LGMW to ensure they still have a requirement for a security seal that does not produce FOD. They have been using a paper seal to meet this need, but it has not been meeting all of their requirements. Their basic requirements are: no FOD, inexpensive, easy to use, all types of environments, and no tools required to remove the seal. We also went to the other users to define their requirements.

The requirements for security seals on the different types of ammunition containers were reviewed. This is to ensure that something important is not missed, or left out.

While the requirements were being defined, it was determined the Navy is the lead service for the DoD Locks, Safes, Vaults Seals and Containers Program (DoD Lock Program). This, the DoD Lock Program, is being managed by the Naval Facilities Engineering Service Center at Port Hueneme, CA. This DoD Lock Program is larger than this Security Seal Program, and will accomplish all that we were planning to accomplish. The DoD Lock Program is looking at all types of security seals and tamper-indicating devices, in various applications from simple applications to the "BLACK" program area. The use of security seals to secure ammunition containers is just a small part of this whole program.

At the June 1994 Defense Ammunition Packaging Council Meeting, we presented what we had accomplished to date and information on the DoD Lock Program. We recommended that this project be transferred to the Naval Weapons Station Earle and they in turn would develop a Memorandum of Agreement with the DoD Lock Program. This was accepted by the Defense Ammunition Packaging Council and the funds have been transferred to the Naval Weapons Station Earle.

#### **DISCUSSION:**

This project is being combined with the DoD Locks, Safes, Vaults Seals and Containers Program to define what are the users requirements, what seals are available, how the seals should be tested, test the currently available seals, and determine which security seal should be used on which application. The DoD Locks, Safes, Vaults Seals and Containers Program is managed by the Naval Facilities Engineering Service Center at Port Hueneme, CA.

The DoD Lock Program is looking at more than just the security seal problem. They are looking at the whole security system. This includes all the controls, which security seal to use on which application, how to number and control the security seals, how to dispose of used security seals, etc. We the packaging and ammunition communities need to get the security systems people involved with this project along with us. It is recommended that we, the DAPC people, and the users from all the services stay involved with the DoD Lock Program to insure our requirements are met.

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